

2878

Docket No. 24012-3

**PATENT****CERTIFICATE OF MAILING**

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Stephanie Berlepsch  
Stephanie Berlepsch

**IN THE UNITED STATES PATENT & TRADEMARK OFFICE**

Applicant: Albert D. Edgar and Steven C. Penn

Serial No.: 09/702,388 : Group Art Unit: 2878

Filed: October 31, 2000 : Examiner:

For: **METHOD AND APPARATUS FOR SCANNING IMAGES****SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Assistant Commissioner for Patents  
Washington, DC 20231

Dear Sir:

In accordance with 37 C.F.R. §§ 1.97 and 1.98 Applicant herewith submits certain patent references which the Patent & Trademark Office may wish to consider in examining the above-identified application. The references are listed on the attached Form PTO-1449.

Copies of the listed references are also provided. No representation is made or intended that a prior art search has been made or that no better art than that listed is available.

Please charge any fees required, or credit any overpayment, to Deposit Account No. 04-1133.

Respectfully submitted,

By

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Registration No. 35,963  
Attorney for Applicant(s)  
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FORM PTO-1449

SEP 22 2003

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24012-3

SERIAL NO. 09/702,388

LIST OF PATENTS AND PUBLICATIONS  
FOR APPLICANT'S INFORMATION

APPLICANT Albert D. Edgar and Steven C. Penn

FILING DATE October 31, 2000 GROUP 2878

DISCLOSURE STATEMENT  
(Supplemental)

FOR: Method and Apparatus for Scanning Images

## UNITED STATES LETTERS PATENT

		DOCUMENT NUMBER							DATE	NAME	CLASS	SUB CLASS
		4	2	6	0	8	9	9	Apr. 7, 1981	Baker	250	563
		4	3	0	1	4	6	9	Nov. 17, 1981	Modeen et al.	358	75
		4	3	0	2	1	0	8	Nov. 24, 1981	Timson	356	359
		4	4	6	2	8	6	0	Jul. 31, 1984	Szmanda	156	626
		4	6	7	0	7	7	9	Jun. 2, 1987	Nagano	358	75
		4	6	7	7	4	6	5	Jun. 30, 1987	Alkofer	358	80
		4	6	8	0	6	3	8	Jul. 14, 1987	Childs	358	214
		4	7	0	0	2	2	9	Oct. 13, 1987	Herrmann et al.	358	166
		4	7	7	5	2	3	8	Oct. 4, 1988	Weber	356	431
		4	7	9	6	0	6	1	Jan. 3, 1989	Ikeda et al.	355	73
		4	8	4	5	5	5	1	Jul. 4, 1989	Matsumoto	358	80
		4	9	3	3	5	6	6	Jun. 12, 1990	Masaaki et al.	250	563
		4	9	3	7	7	2	0	Jun. 26, 1990	Kirchberg	363	41
		4	9	6	9	0	4	5	Nov. 6, 1990	Haruki et al.	358	228
		4	9	7	2	0	9	1	Nov. 20, 1990	Cielo et al.	250	562
		4	9	8	9	9	7	3	Feb. 5, 1991	Noso et al.	356	239
		4	9	9	4	9	1	8	Feb. 19, 1991	Lingemann	358	214
		5	0	0	3	3	7	9	Mar. 26, 1991	Moore, Jr. et al.	358	54
		5	0	1	0	4	0	1	Apr. 23, 1991	Murakami et al.	358	136

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUB CLASS
		WO 84/02019							May 25, 1984	PCT	G06F	15/20
		WO 89/06890							Jul. 27, 1989	PCT	H04N	3/36
		WO 90/01240							Feb. 8, 1990	PCT	H04N	1/40
		WO 91/09493							Jun. 27, 1991	PCT	H04N	5/127
		WO 92/05469							Apr. 2, 1992	PCT	G03B	27/53
		WO 95/15530							Jun. 8, 1995	PCT	G06F	17/14
		WO 97/16028							May 1, 1997	PCT	H04N	7/30

## OTHER ART (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

		<i>New Adaptive Vector Filter Based on Noise Estimate</i> , Mei Yu, et al., IEICE Trans Fundamentals, Vol. E82, No. 6, June, 1999.										
		<i>A Robust Method for Parameter Estimation of Signal-Dependent Noise Models in Digital Images</i> , B. Aiazzi, et al., IEEE, 1997, pp. DSP 97 - 601-604.										
		<i>A Regularized Iterative Image Restoration Algorithm</i> , Aggelos K. Katsaggelos, et al., IEEE, 1991, pp. 914-929.										
		<i>Adaptive Fourier Threshold Filtering: A Method to Reduce Noise and Incoherent Artifacts in High Resolution Cardiac Images</i> , M. Doyle, et al., 8306 Magnetic Resonance in Medicine, May, 31, 1994, No. 5, Baltimore, MD., pp. 546-550										
		<i>Anisotropic Spectral Magnitude Estimation Filters for Noise Reduction and Image Enhancement</i> , Til Aach, et al., IEEE, 1996, pp. 335-338.										
		<i>Adaptive-neighborhood filtering of images corrupted by signal-dependent noise</i> , Rangaraj M. Rangayyan et al., Applied Optics, Vol. 37, No. 20, July 10, 1998, pp. 4477-4487.										

EXAMINER

DATE CONSIDERED

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SERIAL NO. 09/702,388

## LIST OF PATENTS AND PUBLICATIONS

APPLICANT

Albert D. Edgar and Steven C. Penn

## FOR APPLICANT'S INFORMATION

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October 31, 2000

GROUP

2878

## DISCLOSURE STATEMENT

FOR: Method and Apparatus for Scanning Images

(Supplemental)

## UNITED STATES LETTERS PATENT

		DOCUMENT NUMBER							DATE	NAME	CLASS	SUB CLASS
		5	0	4	7	9	6	8	Sep. 10, 1991	Carrington et al.	364	574
		5	0	5	8	9	8	2	Oct. 22, 1991	Katzir	385	33
		5	0	9	1	9	7	2	Feb. 25, 1992	Kwon et al.	382	54
		5	0	9	7	5	2	1	Mar. 17, 1992	Massmann	382	54
		5	1	4	9	9	6	0	Sep. 22, 1992	Dunne et al.	250	226
		5	1	5	5	5	9	6	Oct. 13, 1992	Kurtz et al.	358	214
		5	2	0	0	8	1	7	Apr. 6, 1993	Birnbaum	358	80
		5	2	9	1	2	8	6	Mar. 1, 1994	Murakami et al.	348	469
		5	2	6	7	0	3	0	Nov. 30, 1993	Giorgianni et al.	358	527
		5	3	1	1	3	1	0	May 10, 1994	Jozawa et al.	348	416
		5	3	3	5	0	8	6	Aug. 2, 1994	Kitamura	358	431
		5	3	7	1	5	4	2	Dec. 6, 1994	Pauli et al.	348	262
		5	4	4	7	8	1	1	Sep. 5, 1995	Buhr et al.	430	20
		5	4	4	8	3	8	0	Sep. 5, 1995	Park	358	520
		5	4	5	2	0	1	8	Sep. 19, 1995	Capitant et al.	348	651
		5	4	6	5	1	5	5	Nov. 7, 1995	Edgar	385	500
		5	4	6	5	1	6	3	Nov. 7, 1995	Yoshihara et al.	358	444
		5	4	7	7	3	4	5	Dec. 19, 1995	Tse	358	500
		5	5	0	9	0	8	6	Apr. 16, 1996	Edgar et al.	382	167
		5	5	1	6	6	0	8	May 14, 1996	Hobbs et al.	430	30

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS
		WO 98/31142	Jul. 16, 1998	PCT	H04N	5/253
		WO 98/34397	Aug. 6, 1998	PCT	H04N	
		WO 99/40729	Aug. 12, 1999	PCT	H04N	9/11
		WO 01/48694	Jul. 5, 2001	PCT	G06T	5/00
		GB 2 283 633 A	May 10, 1995	United Kingdom	H04N	5/262
		DE 28 21 868 A1	Nov. 22, 1979	Germany	G01N	21/32
		DE 196 36 867 C1	Jan. 2, 1998	Germany	H04N	5/21

## OTHER ART (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

		<i>Grayscale Characteristics</i> , Photographic Negatives The Nature of Color Images, pp. 163-168.
		<i>Digital Imaging Equipment White Papers</i> , Putting Damaged Film on Ice, A Technical Discussion of Advances in Digital Imaging, Nikon Corporation, <a href="http://www.nikonusa.com/reference/whitepapers/imaging/ditechdisc.html">http://www.nikonusa.com/reference/whitepapers/imaging/ditechdisc.html</a> , Aug. 5, 1999.
		<i>Local Cosine Transform - A Method for the Reduction of the Blocking Effect in JPEG</i> , Gil Aharoni, et al., Journal of Mathematical Imaging and Vision, 3, 7-38, 1993.
		<i>Digital ICE</i> , Applied Science Fiction, Inc., <a href="http://www.asf.com/html/o_products/iceprod.html">http://www.asf.com/html/o_products/iceprod.html</a> , Aug. 5, 1999.
		<i>About Digital ICE Technology</i> , Applied Science Fiction, Inc., <a href="http://www.asf.com/html/o_products/icetech.html">http://www.asf.com/html/o_products/icetech.html</a> , Aug. 5, 1999.
		<i>2-D Adaptive Volterra Filter for 2-D Nonlinear Channel Equalisation and Image Restoration</i> , J.N. Lin, et al., Electronic Letters, Vol. 28, No. 2, Jan. 16, 1992, pp. 180-182.

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if

Page 3 of 4

PTO FORM 4/92 FORM PTO-1449		SEP 22 2003	ATTY. DOCKET	24012-3	SERIAL NO.	09/702,388
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION			APPLICANT	Albert D. Edgar and Steven C. Penn		
DISCLOSURE STATEMENT (Supplemental)			FILING DATE	October 31, 2000	GROUP	2878
			FOR:	Method and Apparatus for Scanning Images		

### UNITED STATES LETTERS PATENT

		DOCUMENT NUMBER							DATE	NAME	CLASS	SUB CLASS
		5	5	5	2	9	0	4	Sep. 3, 1996	Ryoo et al.	358	518
		5	5	6	1	6	1	1	Oct. 1, 1996	Avinash	364	553
		5	5	6	5	9	3	1	Oct. 15, 1996	Girod	348	675
		5	5	6	8	2	7	0	Oct. 22, 1996	Endo	358	298
		5	5	8	1	3	7	6	Dec. 3, 1996	Harrington	358	518
		5	5	8	2	9	6	1	Dec. 10, 1996	Giorgianni et al.	430	508
		5	5	8	3	9	5	0	Dec. 10, 1996	Prokoski	382	212
		5	5	8	9	8	8	7	Dec. 31, 1996	Wischermann	348	616
		5	6	0	8	5	4	7	Mar. 4, 1997	Nakatani et al.	358	505
		5	6	4	1	5	9	6	Jun 24, 1997	Gray et al.	430	21
		5	6	6	6	4	4	3	Sep. 9, 1997	Kumashiro	382	266
		5	6	7	3	3	3	6	Sep. 30, 1997	Edgar et al.	382	167
		5	7	2	1	6	2	4	Feb. 24, 1998	Kumashiro et al.	358	450
		5	7	6	2	7	7	3	Mar. 10, 1998	Mehlo et al.	358	474
		5	7	2	9	6	3	1	Mar. 17, 1998	Wober et al.	382	232
		5	7	7	1	1	0	7	Jun. 23, 1998	Fujimoto et al.	358	464
		5	8	0	8	6	7	4	Sep. 15, 1998	Adams, Jr. et al.	348	273
		5	8	9	2	5	9	5	Apr. 6, 1999	Yamakawa et al.	358	530
		5	9	3	0	3	8	8	Jul. 27, 1999	Murakami et al.	382	167

### FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUB CLASS
		EP 1 547 811							Jun. 27, 1979	Europe	H04N	3/36
		EP 0 422 220 A1							Apr. 17, 1991	Europe	A61B	6/03
		EP 0 482 790 B1							Apr. 29, 1992	Europe	H04N	1/40
		EP 0 527 097 A2							Feb. 10, 1993	Europe	H04N	1/40
		EP 0 569 142 A1							Nov. 10, 1993	Europe	H04N	5/253
		EP 0 624 848 A2							Nov. 17, 1994	Europe	G06F	15/68
		EP 0 699 753 A2							Aug. 30, 1995	Europe	H04N	1/407
		EP 0 716 538 A2							Jun. 12, 1996	Europe	H04N	1/50
		EP 0 751 670 A2							Jan. 2, 1997	Europe	H04N	1/10
		EP 0 768 621 A2							Apr. 16, 1997	Europe	G06T	5/20
		EP 0 794 454 A2							Sep. 10, 1997	Europe	G03B	27/73
		EP 0 816 833 A2							Jan. 7, 1998	Europe	G01N	21/88
		EP 0 816 833 A3							Aug. 26, 1998	Europe	G01N	21/88
		EP 0 893 914 A2							Jan. 27, 1999	Europe	H04N	5/253

### OTHER ART (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)


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DISCLOSURE STATEMENT  
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FOR: Method and Apparatus for Scanning Images

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		DOCUMENT NUMBER							DATE	NAME	CLASS	SUB CLASS
	/	5	9	6	3	6	6	2	Oct. 5, 1999	Vachtsevanos et al.	382	150
	/	5	9	6	9	3	7	2	Oct. 19, 1999	Stavely et al.	250	559.42
	/	5	9	8	2	9	4	1	Nov. 9, 1999	Loveridge et al.	382	260
	/	5	9	8	2	9	5	1	Nov. 9, 1999	Katayama et al.	382	284
	/	5	9	6	9	3	7	2	Oct. 19, 1999	Stavely et al.	250	559.42
	/	5	9	7	9	0	1	1	Nov. 9, 1999	Mivawaki et al.	15	308
	/	5	9	9	1	4	4	4	Nov. 23, 1999	Burt et al.	382	232
	/	6	0	0	5	9	8	7	Dec. 21, 1999	Nakamura et al.	382	294
	/	6	0	5	7	0	4	0	May 2, 2000	Hage	428	447
	/	6	0	7	5	9	0	5	Jun. 13, 2000	Herman et al.	382	284
	/	6	0	7	8	0	5	1	Jun. 20, 2000	Banton et al.	250	341.1
	/	6	0	7	8	7	0	1	Jun. 20, 2000	Hsu et al.	382	294
	/	6	1	0	1	2	7	3	Aug. 8, 2000	Matama	382	169
	/	6	1	2	8	4	1	6	Oct. 3, 2000	Oura	382	284
	/	6	2	3	9	8	8	6	May 29, 2001	Klasser et al.	358	518

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUB CLASS
	/	JP 11185028							Jul. 9, 1999	Japan	G06T	1/00
	/	JP 4-291139							Oct. 15, 1992	Japan	G01N	21/89
	/	JP 2000-13604							Jan. 14, 2000	Japan	H04N	1/409
	/	JP 2000-196813A							Jul. 14, 2000	Japan	H04N	1/4

OTHER ART (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)


EXAMINER

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SEP 22 2003

86510DAN  
Customer No. 01333

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:

Albert D. Edgar, et al.

METHOD AND APPARATUS TO  
PROVIDE SIMULTANEOUS  
CAPTURE OF DEFECT AND IMAGE  
DATA FROM FILM

Serial No. 09/702,388

Filed 31 October 2000

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA. 22313-1450

Sir:

Group Art Unit: 2878

Examiner: Otilia Gabor

I hereby certify that this correspondence is being  
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*Lisa DeMunch*  
Lisa DeMunch

*September 16, 2003*  
Date

**LETTER**

As requested, enclosed is the cited art listed on the Supplemental  
Information Disclosure filed on October 10, 2001.

Regarding the filed Information Disclosure Statement (IDS),  
Applicants note that the references cited on the IDS appear to have been filed with  
the IDS. This is evidenced by the attached date-stamped filing receipt which  
indicates that references were filed with the IDS. These references appear to be  
missing from the file as indicated by the Examiner. Accordingly, for the  
Examiner's convenience, Applicants are resubmitting the cited art as well as  
copies of the IDS and the 1449 form.

Respectfully submitted,

*David A. Novais*

David A. Novais  
Attorney for Applicant(s)  
Registration No. 33,324

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Telephone: 585-588-2727  
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**Serial No.** 09/702,388

**Applicant:** Albert D. Edgar, et al.

**Title:** Method and Apparatus for Scanning Images

**Enclosures:** Supplemental Information Disclosure Statement; PTO  
Form 1449 with copies of 117 cited references; and Return Receipt  
Postcard

**Attorney:** Martin J. Miller

**Docket No.** 24012-3

**Date:** October 10, 2001

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**Serial No.** 09/702,388

**Applicant:** Albert D. Edgar, et al.

**Title:** Method and Apparatus for Scanning Images

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Postcard

**Attorney:** Martin J. Miller

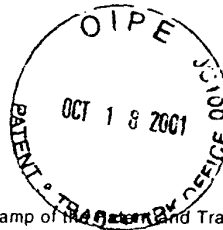
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